



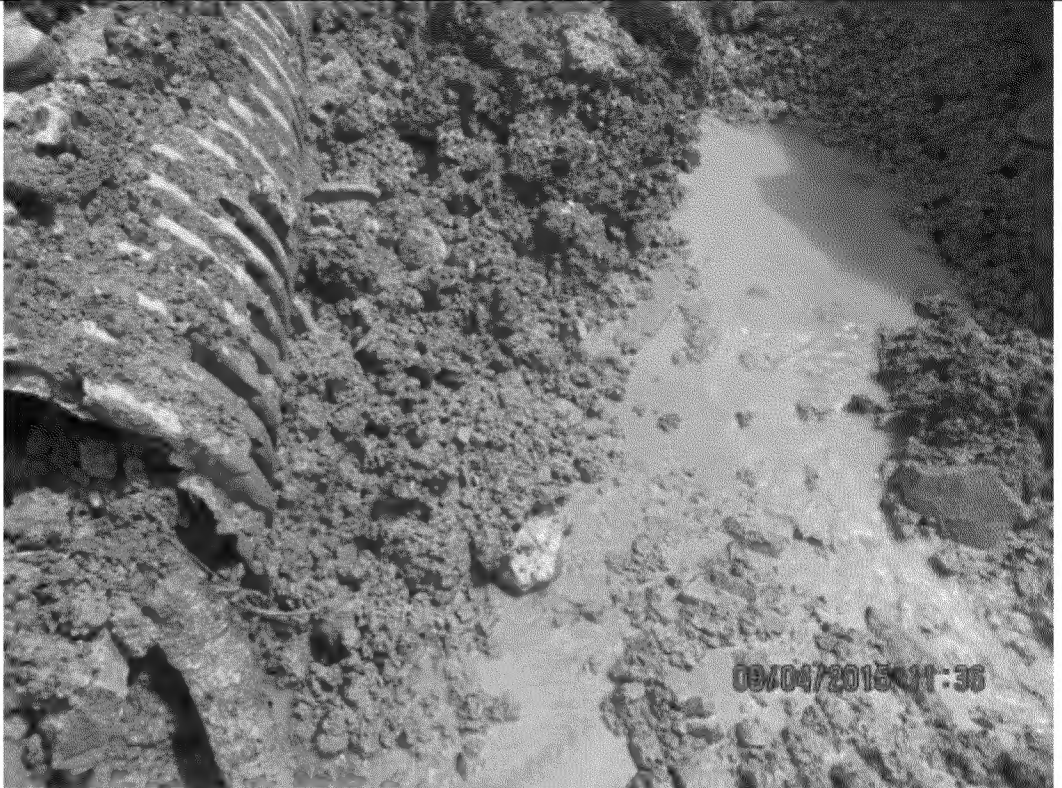

|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|

|   |                            |   |
|---|----------------------------|---|
| <b>Photo No.</b><br>1   | <b>Date:</b><br>08/04/2015 |  |
| <b>Direction Photo Taken:</b><br><br>North                          |                            |   |
| <b>Description:</b><br>Beginning investigation into collapsed adit. |                            |   |



|   |                            |  |
|---|----------------------------|--|
| <b>Photo No.</b><br>2   | <b>Date:</b><br>08/04/2015 |  |
| <b>Direction Photo Taken:</b><br><br>North  |                            |  |
| <b>Description:</b><br>Excavated next to DRMS-installed culvert, water muddy from soil disturbance. |                            |  |

|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|



|   |                            |  |
|---|----------------------------|--|
| <b>Photo No.</b><br>3   | <b>Date:</b><br>08/04/2015 |   |
| <b>Direction Photo Taken:</b><br><br>Down   |                            |  |
| <b>Description:</b><br>Seepage from soil next to piping.                                |                            |  |
| <b>Photo No.</b><br>4   | <b>Date:</b><br>08/04/2015 |  |
| <b>Direction Photo Taken:</b><br><br>Down   |                            |  |
| <b>Description:</b><br>Seepage next to the pipe is clear until entering disturbed soil. |                            |  |



|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|



|   |                            |  |
|---|----------------------------|--|
| <b>Photo No.</b><br>5   | <b>Date:</b><br>08/04/2015 |   |
| <b>Direction Photo Taken:</b><br><br>North  |                            |  |
| <b>Description:</b><br><br>DRMS looking at adit excavation progress.  |                            |  |
| <b>Photo No.</b><br>6   | <b>Date:</b><br>08/04/2015 |  |
| <b>Direction Photo Taken:</b><br><br>West   |                            |  |
| <b>Description:</b><br><br>Water minimally murky from disturbed soil and water entering the North Fork from site. |                            |  |

|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|

|  |                            |  |
|--|----------------------------|--|
| <b>Photo No.</b><br>7  | <b>Date:</b><br>08/04/2015 |   |
| <b>Direction Photo Taken:</b><br><br>South/Down  |                            |  |
| <b>Description:</b><br>Hay bales installed as filter for sediment in North Fork.                               |                            |  |
| <b>Photo No.</b><br>8  | <b>Date:</b><br>08/04/2015 |  |
| <b>Direction Photo Taken:</b><br><br>Northwest   |                            |  |
| <b>Description:</b><br>Continuing excavation at the collapsed adit, no solid bedrock found for tunnel support. |                            |  |



|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|

|   |                            |  |
|---|----------------------------|--|
| <b>Photo No.</b><br>9   | <b>Date:</b><br>08/04/2015 |   |
| <b>Direction Photo Taken:</b><br><br>Northeast                                |                            |  |
| <b>Description:</b><br>First signs of adit, support pillar with lagging.      |                            |  |
| <b>Photo No.</b><br>10  | <b>Date:</b><br>08/04/2015 |  |
| <b>Direction Photo Taken:</b><br><br>East                                     |                            |  |
| <b>Description:</b><br>Water of the North Fork just upstream of Cement Creek. |                            |  |

**Project Name:**

Gold King Mine

**Site Location:**

Silverton, San Juan County, Colorado

**Project No.**

0001/1408-01

**Photo No.**

**11**

**Date:**

08/04/2015

**Direction Photo Taken:**

East

**Description:**

Water of the North Fork just upstream of Cement Creek.



**Photo No.**

**12**

**Date:**

08/04/2015

**Direction Photo Taken:**

North



**Description:**

Collapsed supports uncovered above anticipated adit, no sign of bedrock above the adit area.







|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|



|  |                            |  |
|--|----------------------------|--|
| <b>Photo No.</b><br>13   | <b>Date:</b><br>08/05/2015 |   |
| <b>Direction Photo Taken:</b><br><br>North                           |                            |  |
| <b>Description:</b><br>Adit conditions the morning of 8/5.           |                            |  |
| <b>Photo No.</b><br>14   | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>Northeast                       |                            |  |
| <b>Description:</b><br>Excavating material above the collapsed adit. |                            |  |

|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|

|   |                            |  |
|---|----------------------------|--|
| <b>Photo No.</b><br>15  | <b>Date:</b><br>08/05/2015 |   |
| <b>Direction Photo Taken:</b><br><br>North                          |                            |  |
| <b>Description:</b><br>Bedrock found above the anticipated adit.    |                            |  |
| <b>Photo No.</b><br>16  | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>North                          |                            |  |
| <b>Description:</b><br>Cleaning out excavated material, small leak. |                            |  |



|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|

|   |                            |  |
|---|----------------------------|--|
| <b>Photo No.</b><br>17                                    | <b>Date:</b><br>08/05/2015 |   |
| <b>Direction Photo Taken:</b><br><br>North                |                            |  |
| <b>Description:</b><br>Small leak close up.               |                            |  |
| <b>Photo No.</b><br>18                                    | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>North                |                            |  |
| <b>Description:</b><br>Hole starting to give way to flow. |                            |  |

**Project Name:**

Gold King Mine

**Site Location:**

Silverton, San Juan County, Colorado

**Project No.**

0001/1408-01

**Photo  
No.  
19**

**Date:**  
08/05/2015

**Direction Photo  
Taken:**

Northeast

**Description:**

Adit flow increasing.



**Photo  
No.  
20**

**Date:**  
08/05/2015

**Direction Photo  
Taken:**

Northeast



**Description:**

Water flooding out at  
increased rate.







|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|

|  |                            |  |
|--|----------------------------|--|
| <b>Photo No.</b><br>21   | <b>Date:</b><br>08/05/2015 |   |
| <b>Direction Photo Taken:</b><br><br>West  |                            |  |
| <b>Description:</b><br>Water flowing along access road and across waste dump                 |                            |  |
| <b>Photo No.</b><br>22   | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>Southeast   |                            |  |
| <b>Description:</b><br>Water flowing over the edge of the waste dump and collapsing the edge |                            |  |

|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|

|  |                            |   |
|--|----------------------------|---|
| <b>Photo No.</b><br><b>23</b>                          | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>Southwest         |                            |   |
| <b>Description:</b><br>Exit route starting to collapse |                            |   |

|   |                            |  |
|---|----------------------------|--|
| <b>Photo No.</b><br><b>24</b>   | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>Southeast/Down   |                            |  |
| <b>Description:</b><br>Edge of the tailings dump collapsed, suburban trapped and half submerged in center of photo. |                            |  |



|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|

|  |                            |   |
|--|----------------------------|---|
| <b>Photo No.</b><br><b>25</b>                  | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>Northeast |                            |   |
| <b>Description:</b><br>Gold King adit exposed. |                            |   |

|   |                            |  |
|---|----------------------------|--|
| <b>Photo No.</b><br><b>26</b>   | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>Southeast  |                            |  |
| <b>Description:</b><br>Water flow washing out the existing road. Note Suburban in left side of photo. |                            |  |

**Project Name:**

Gold King Mine

**Site Location:**

Silverton, San Juan County, Colorado

**Project No.**

0001/1408-01

**Photo  
No.  
27**

**Date:**  
08/05/2015

**Direction Photo  
Taken:**

North

**Description:**

Exposed adit, roughly  
10 feet wide by 15 feet  
high.



**Photo  
No.  
28**

**Date:**  
08/05/2015

**Direction Photo  
Taken:**

North

**Description:**

pH of discharge water  
is approximately 4 to  
4.5.







**Project Name:**  
Gold King Mine



**Site Location:**  
Silverton, San Juan County, Colorado

**Project No.**  
0001/1408-01

|   |                            |   |
|---|----------------------------|---|
| <b>Photo No.</b><br><b>29</b>   | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>Northeast                                      |                            |   |
| <b>Description:</b><br>Excavator redirecting water into existing half-pipe channel. |                            |   |

|   |                            |  |
|---|----------------------------|--|
| <b>Photo No.</b><br><b>30</b>   | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>Southeast/Down                       |                            |  |
| <b>Description:</b><br>Collapsed portion of waste dump and road wash out. |                            |  |

|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|


|  |                            |  |
|--|----------------------------|--|
| <b>Photo No.</b><br>31   | <b>Date:</b><br>08/05/2015 |   |
| <b>Direction Photo Taken:</b><br><br>Northeast   |                            |  |
| <b>Description:</b><br>Adit area after regrading.                                      |                            |  |
| <b>Photo No.</b><br>32   | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>North   |                            |  |
| <b>Description:</b><br>Exposed adit and redirected flow, flow is beginning to subside. |                            |  |




**Project Name:**  
Gold King Mine



**Site Location:**  
Silverton, San Juan County, Colorado

**Project No.**  
0001/1408-01

|   |                     |   |
|---|---------------------|---|
| Photo No.<br>33   | Date:<br>08/05/2015 |  |
| Direction Photo Taken:<br><br>East                                  |                     |   |
| Description:<br>Redirected flow into existing half culvert channel. |                     |   |

|                                     |                     |  |
|-------------------------------------|---------------------|--|
| Photo No.<br>34                     | Date:<br>08/05/2015 |  |
| Direction Photo Taken:<br><br>North |                     |  |
| Description:<br>Closeup of adit.    |                     |  |

|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|


|   |                            |  |
|---|----------------------------|--|
| <b>Photo No</b><br><b>35</b>  | <b>Date:</b><br>08/05/2015 |   |
| <b>Direction Photo Taken:</b><br><br>West   |                            |  |
| <b>Description:</b><br>Excavator beginning work to secure safe exit route for equipment, vehicles, and personnel. |                            |  |
| <b>Photo No</b><br><b>36</b>  | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>East   |                            |  |
| <b>Description:</b><br>Existing flow channel at maximum capacity  |                            |  |




**Project Name:**  
Gold King Mine



**Site Location:**  
Silverton, San Juan County, Colorado

**Project No.**  
0001/1408-01

|   |                            |   |
|---|----------------------------|---|
| <b>Photo No.</b><br><b>37</b>   | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>Southwest/Down   |                            |   |
| <b>Description:</b><br>Excavator progress on fixing access road to create a safe exit route |                            |   |



|  |                            |  |
|--|----------------------------|--|
| <b>Photo No.</b><br><b>38</b>                                      | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>East                          |                            |  |
| <b>Description:</b><br>Existing culvert flows subsiding minimally. |                            |  |

|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|



|   |                            |  |
|---|----------------------------|--|
| <b>Photo No.</b><br>39  | <b>Date:</b><br>08/05/2015 |   |
| <b>Direction Photo Taken:</b><br><br>North  |                            |  |
| <b>Description:</b><br>No changes visible in adit structure or supports. Sloughing of materials inside the mine can be heard. |                            |  |
| <b>Photo No.</b><br>40  | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>South/Down   |                            |  |
| <b>Description:</b><br>Excavator progresses to washed out North Fork crossing.  |                            |  |



|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|

|   |                            |  |
|---|----------------------------|--|
| <b>Photo No</b><br>41   | <b>Date:</b><br>08/05/2015 |   |
| <b>Direction Photo Taken:</b><br><br>Southwest/Down   |                            |  |
| <b>Description:</b><br>Noted visitor to the site, unknown person, walked up to excavator at North Fork crossing and then back to vehicle. |                            |  |
| <b>Photo No</b><br>42   | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>Southwest/Down   |                            |  |
| <b>Description:</b><br>Visitor leaving  |                            |  |

|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|

|   |                            |  |
|---|----------------------------|--|
| <b>Photo No.</b><br>43  | <b>Date:</b><br>08/05/2015 |   |
| <b>Direction Photo Taken:</b><br><br>South/Down   |                            |  |
| <b>Description:</b><br>Excavator continues to fix access road. Continued high flow is slowing progress. |                            |  |
| <b>Photo No.</b><br>44  | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>East   |                            |  |
| <b>Description:</b><br>Half culvert flow continues to subside   |                            |  |

|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|

|   |                            |   |
|---|----------------------------|---|
| <b>Photo No.</b><br>45  | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>North  |                            |   |
| <b>Description:</b><br><br>Water levels lowering at adit entrance, no visible changes to structure. |                            |   |



|  |                            |  |
|--|----------------------------|--|
| <b>Photo No.</b><br>46   | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>West  |                            |  |
| <b>Description:</b><br>Flight for life Helicopter coming up the valley to pick up a person who crashed a vehicle on Corkscrew Pass, not related to this event. |                            |  |



**Project Name:**  
Gold King Mine

**Site Location:**  
Silverton, San Juan County, Colorado

**Project No.**  
0001/1408-01

|  |                            |  |
|--|----------------------------|--|
| <b>Photo No.</b><br><b>47</b>  | <b>Date:</b><br>08/05/2015 |   |
| <b>Direction Photo Taken:</b><br><br>Southwest   |                            |  |
| <b>Description:</b><br>Close up of Flight for Life.  |                            |  |
| <b>Photo No.</b><br><b>48</b>  | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>Northeast   |                            |  |
| <b>Description:</b><br>Flow path from adit, water flow appears to have stabilized around 1400. |                            |  |

**Project Name:**

Gold King Mine

**Site Location:**

Silverton, San Juan County, Colorado

**Project No.**

0001/1408-01

**Photo No.**  
**49**

**Date:**  
08/05/2015

**Direction Photo Taken:**

North

**Description:**

pH measured at approximately 4.5.



**Photo No.**  
**50**

**Date:**  
08/05/2015

**Direction Photo Taken:**


Southwest/Down


**Description:**

DRMS arrives back on site, had visited the site around 0930 to check on progress of investigation, left approximately 1030, prior to blowout.





|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|

|  |                            |  |
|--|----------------------------|--|
| <b>Photo No.</b><br><b>51</b>  | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>North   |                            |  |
| <b>Description:</b><br>Looking up from the toe of the Gold King waste dump directly south of the adit. |                            |  |

|  |                            |  |
|--|----------------------------|--|
| <b>Photo No.</b><br><b>52</b>  | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>Northeast                             |                            |  |
| <b>Description:</b><br>Gold King Mine tailings dump after water discharge. |                            |  |



|  |   |                                    |
|--|---|------------------------------------|
| <b>Project Name:</b><br>Gold King Mine | <b>Site Location:</b><br>Silverton, San Juan County, Colorado | <b>Project No.</b><br>0001/1408-01 |
|--|---|------------------------------------|

|  |                            |  |
|--|----------------------------|--|
| <b>Photo No.</b><br><b>53</b>  | <b>Date:</b><br>08/05/2015 |    |
| <b>Direction Photo Taken:</b><br><br>East  |                            |  |
| <b>Description:</b><br><br>Looking east across Cement Creek from County Road 10 to excavator fixing County Road 52 at North Fork crossing just south of Red and Bonita Mine. |                            |  |
| <b>Photo No.</b><br><b>54</b>  | <b>Date:</b><br>08/05/2015 |  |
| <b>Direction Photo Taken:</b><br><br>East  |                            |  |
| <b>Description:</b><br><br>Cement Creek crossing at Gladstone.   |                            |  |



## PHOTOGRAPH LOG

**Project Name:**

Gold King Mine

**Site Location:**

Silverton, San Juan County, Colorado

**Project No.**

0001/1408-01